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 <212> nucleic acid
 <213> Glycine max
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 aatatttact ttccctctg ccnnnnnnnn nnnnnnnnnn nnnnnnnna cattttgtga 120
 gggatcact actccttgtt aattggccat cctatgacgac taaatcttag taaataatat 180
 aggagtttaa tagacatgta ctgtaagttt aatttttttt acaaattattc agaaatcttt 240
 attg 244

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 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560637H1
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 gaagtagggt tcgaaaatgg cagcagaatc atcagagggc gaagaagaaa ccaagttaag 120
 cggaggtaac caattgctca tagttgacga tgacttaacg gaaatgggaa agaaagccgc 180
 ttggagcgtg agttcctgca aaccggtaa cggcgtttcc tctctccgtg acgacaatct 240
 cgaaacttat tggcaatc 258

<210> 5246
 <211> 276
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560639H1
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 tcaatgatgg ctggaagatc accaattcca atggaccctt tttctctatg cctcacaaca 120
 ataacacncc acactcttga agttggaggc ttcaacaagg gaggaatcta ttccaacacc 180

gacttccgat tcacggaata agtaaaataa cgttanaagt agtgggtattt cacttttcg 238

<210> 5250

<211> 298

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560645H1

<400> 5250

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gatcaacaag gctgggaaag cagtgtatgt gaaatttcac tggaagacca ctagtgggtat 120

aaagtgtcta ttggaggaag aggccattaa ggtgggagga gccaaccaca gccatgccac 180

tcaagacctc ccatgattcc attgctgctg gtaactatcc tgagtggaaa ctgtttgttc 240

agacaataga tcctgagcac gaagacaaat ttgactttga ccctcttgat gttactaa 298

<210> 5251

<211> 300

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560646H1

<400> 5251

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aattaatatt ggatttgctt gtagtttact cagacaagga atgaaacaaa ttataattag 120

ctcagatact ccagaaacta aatcattgga gaaaatggag gacaagtctg ctgctgaagc 180

ggcaattaag tcaagtgttc ttcgtcaact aaggagtgca aaggcattgc tttctacagc 240

agatgaaaac tatgaggcct tagccctgat cattgatggg aagtctctta cttatgcact 300

<210> 5252

<211> 158

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560647H1

<400> 5252

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ctaattgacc ttcagaaatc gtggccgtaa atatctttga ttattctttt tcattttgta 120
cattgtaatt tgatcatata cgattgttat gaagtttg 158

<210> 5253
<211> 287
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560649H1

<400> 5253

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tgtttttgca agagggtatg gcgaaggacg ttgaggttgc tgagcgtggc tccttctctg 120
ggaaggacta ccaggaccct ccaccagcac cactcattga tgctgaggag ctcaaaaagt 180
ggtcctttta cagggctctt attgctgagt tcattgccac ttgctcttc ctctacatta 240
ctgtgctcac agttataggg tacaagcacc agacggatca tgctgnt 287

<210> 5254
<211> 298
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560650H1

<400> 5254

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ctcaaatccc ttccattatc caatccacta ggtgcaagtc taccatttcc tccttgctcc 180
tctccacttt ctccaacaac acctcctcca acaatgacac tcccaccacc ttcaatgcca 240
ctgcccatag caagaaaaaa agcaactttt ctgcatcaac cttcagaggg ttgggggtg 298

<210> 5255
<211> 293
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560652H1

<400> 5255

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gggcgggtgc agggccgggt cgggtttggc aagaagaaan ccgccgcccc gaagaaagtt 180
tccagggggt cgggctctag ctccgatagg cncctgtggt atccgggcgc caaggcgcn 240
agtacctgga tnggagcett gtcggagact acggnntcga tcatttnggc tag 293

<210> 5256
<211> 292
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560653H1
<400> 5256

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ggcttccgct tgtgcttctt ctgcaattac agctgttgcc atctctacgc cgagttccgg 120
gcagaagaat ggatcaggag gttgttttct tagtggaagg aaattgaggg tgaaaaagga 180
gagagcagca attggaggac gatcgatggg cactacagtg tgcgcagttg ctgagcctga 240
cagacctcta tggttcccag gcagcaccoc tcctccatgg cttgatggca tc 292

<210> 5257
<211> 295
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560654H1
<400> 5257

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aaaagagatt gatgagaaac aacagacaga caaggacaga tggaaaggtc ttgcctatga 120
tgtttcagac gaccagcaag acatcacaag agggaagggt ttggttgatt ccctcttcca 180
agctccacag gatactggaa ctactatgc aatcatgagc tcttatgagt acctagcact 240
ggacttaaac agtacaactt ggataacaac atggacgggt ttacattgc tcctg 295

<210> 5258
<211> 276

<212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560655H1
 <400> 5258
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 ctctcatac ttgctgcaaa acaagacnat nataatcatc ntcacaggct tcaaagttcc 120
 actcagagga aggttcagc ttctattcac aagatctttg cttttggntc tcttttctact 180
 cgccaccaat tganatcgca caactattat gatcaagatg atgcctctcc cagcccagaa 240
 ggaaagacct tatnttactc attaatgcct gctttt 276

<210> 5259
 <211> 297
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560656H1
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 gggcttagca ctcganccgt ngcatcctcc gatgaaatcc aattncacat cgatcccggc 180
 atcgacttcn acgacgaaat caccggtctt cgtggccaag ttaaaaaatt gnnaaatgtt 240
 gctgaagaga taggttcaga agtcaagttt caaagagatt ttctggaaca agtgcaa 297

<210> 5260
 <211> 288
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560657H1
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 tggagacncc aacattcatg ganttcccn ttggtgncnc naagacctg tttgccccaa 120
 caaacacaca tggnatatga gcnttgtggt atcggggcta tcacaattgt ggactagtag 180
 tcagaggcaa cactagctat ggaatactgt ccggagcnga aaaatataat gatgggatcg 240

caaccatcag ggagtattgt tgatcagatg tgggagtgtg caacgatg 288

<210> 5261

<211> 293

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560658H1

<400> 5261

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caacagggttc tctccggcag agcccggnaa gaggnccctc tattcggtga aaaatgttta 120

tttccaactt caagagtgtg ctgcgttggt caccaatata ancaatctca cccctcttcc 180

ctctctgata ttgatcaagt ccttcctccc ggtggcaatc actctntgcg tcgcaggaca 240

ttgatggggt tgagtgggtg ggcaacgttg gggntgagtt gagtgatgag caa 293

<210> 5262

<211> 294

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560660H1

<400> 5262

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atgggccaat cttgttctta ccaatttctt tctcaaaact cttgctccta atttcagtct 120

tcagctttcc tttgctgcta ggagactcaa ccagctgggt caggaccagt cacagttact 180

ccattaccac aacggtcctc ttctatacgg caaaatcgcc gtgaactaat ctggtatggt 240

cattcaaacc atcccaaaag gccatcatca cggatttcgt tacctcatgt catc 294

<210> 5263

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560661H1

<400> 5263

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ggcccctgga agaattatth gataaagtgn aaagaatgth agtatgggna accaaaatga 120
 tgctatagac tgctaactgc naattatgaa gtggtgaaag agcgcntaat gcannnnncna 180
 aaggcacaga agaagctgta actttggaca tcatagcacc aggttacatg gctgttggag 240
 acttaaaatt tgctggatcc tgttgaacat ggtatcccc nttcccctct gt 292

<210> 5264

<211> 289

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560662H1

<400> 5264

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 gagagtagtg aaacaagaag aaaggagaag aagatggtgt ttgaggaaac tgagctgagg 120
 cttggactga gactaggact ccctggaaat ggagccgagc caacaactga agctgctgag 180
 gaattaggag tgaggaagag agggttctct gaaactgaaa ccgatgaaac aacctccgtt 240
 gatttgatgc ttaacctctc tccaaggaa gcttctgctg ctgctacta 289

<210> 5265

<211> 299

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560663H1

<400> 5265

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 ttcaagtttc ggcgtgtgag gtttccgcca ccgtcaacca ctttcgcctc cgccaaaacg 120
 ccgtcgtttc cttcaggaag aagaagcctc tctctctcag agtgggtctca atgtcttccg 180
 ttctctcttc ccaacccttc gaaatcgccg ttaaagcttc cgtcaccaca cccaacaggc 240
 tcggcgactg cccttttttc caaaggggtg tgctgacact ggaggaaaaa catctacct 299

<210> 5266

<211> 280

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560664H1

<400> 5266

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ttcgttgcta cnattttggn agcntngnaa tgnccangcn acganangnt ccctcnccgn 120
atgnacannn ggnangngg ccgnaattcg gaagtgaat gcnnccangtg gaagnntgcn 180
gtgggagcnc accacatctt ggcttgagac natctgaaga tggttgaaca acaagggata 240
catcatggcg aacaatatag atcagatcca aaacagttaa 280

<210> 5267

<211> 297

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560665H1

<400> 5267

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caataattaa attaaatata tgctagcact ttaacagtac tcctttctct aatatctctc 120
ctcatatttt cctttctgcg gatattcagc taattaaact aagtcactaa gatgactgag 180
ggaaagctag ttgaagctgc agaagctcat aagacacttc aggatttcga tcctccaaag 240
aagcgcaaaa ggaacaagta tgcttttgc tgtgctatgc tggcctccat gacttcc 297

<210> 5268

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560666H1

<400> 5268

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gcccttgaaa gatcggttcg tgcttcgggc ttctaaagtg gagcaaatat cgtttacgga 120
atctgagaac tcaactcatg aagcccttct tggcatccaa ggacgcggac gttcttcttc 180
tcgtcagcag ctcaatgctg ttgagcgtgc tgttcaagtc ctggagcggg taggggggtg 240
acctgatccg acaaaatcaa acttgatcga gggtcgctgg cagctaattt tc 292

<210> 5269

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560667H1

<400> 5269

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actacttctt cctctncagc agctgctnca gttctagctc cttcttctct cgtctcggat 120
cttcctccga cgcaaaagct cctcaaactg gttcgtttct gtttccggag angtcgcttg 180
tttcgtctgt tgttgtcaat gtaactcaac gacgctcctt ggtgaggcca ctcaacgccg 240
aaccgcaacg gaacgattct attgttcctc ttgcagcaat atcgttgctc ct 292

<210> 5270

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560668H1

<400> 5270

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attgataata aaagagtaaa tattcgcccc cgataatttt gattttattg aattttnttn 120
ttatttttgc caattctatt nattctttct aataataaaa aatattctaa taactaataa 180
taaaaaggaa aataaagatt cattaganta ttatannata acaaataata gaacaaaaca 240
agattcttta gttatatatg taaaananaa atggtttatt tatnaganta ca 292

<210> 5271

<211> 272

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560669H1

<400> 5271

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cagaattgag gcgttgccga ctttcatcat gtttaaggat ggagatcctt atgatcgctt 120

tgagggagca ttgactgcag atcagctcat tgaacgcatt gaagctggcc tcaagggttaa 180
gcaataaccc tactataatg aagacacaga agcttgctta ttggaatggt cgatcacata 240
catgatatga ttgactggaa tcacttggtt tt 272

<210> 5272
<211> 292
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560671H1

<400> 5272

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ggaacgtcta cgacgctttt ggcaaatgtg gggatgtgga ggagatnttg actatcncag 120
ataaaacctg gctggaagaa aggaacaaaa attaccttcc cagagaaagg taaccgtgag 180
cctggtgtca tcccagcaga tctcattttt gtgatagatg agaagccgca tgctctttat 240
agaagggatg gtaatgattt ggtgatcaac caagagataa cccttcttga gg 292

<210> 5273
<211> 292
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560672H1

<400> 5273

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ccgagatgtg aaaaccaaca atattcttct tgacagtgc ttttgtgtca aagtggcaga 120
ttttggactc tcgctcttt tcccagacca tgtcacccat gtttcaacag ctccacaagg 180
gactccaggt tatgtggatc ccgagtacca ccagtgtac cagcttacta aacaaagcga 240
cgtatatagc tttggagtgg ttctggttga gctgatatca tccttgctg ct 292

<210> 5274
<211> 298
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560673H1

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 aagttaaate acatgacgtt actgatattc ctccagacac aagaaagcag agggagccag 180
 ggtctaagga taaagctgat cctgtaggaa agaaaaaggt ccataaaggc agcgtaaaat 240
 tcgaaaatgc accctggaaa ttttagttct ggagaaatct aggaacatga ctagttac 298

<210> 5275
 <211> 294
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560676H1

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 aaacaatttt ttctcattgg atttggagggt gaagaaatct tctgtaaaac aagagtcagc 180
 aggtgccttg gcggaggaac tgaagcgggt gagtgcagaa aacaagaagt taaccgaaat 240
 gctcacagag atgtgtgaga actacaacac tttgcgaana atttgatgga atac 294

<210> 5276
 <211> 294
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560677H1

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 tctccacgt gcactttcct ctntctcgct ctaaataatt ctccatnnnn nnnnnnnnnn 180
 nnnnnnnnnn aatacaatat tatatgtgtg tgtggaaaaa agaaccgtnt ttcttttcag 240
 cgnaagcgcac cacctntata ttaccctttt gatcagagtt taaaatgggtg ttgt 294

<210> 5277
 <211> 294
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560679H1

<400> 5277

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 cttttctgct cttcttctac cttcaagttt taaaagtata aagatggcag agacattcct 120
 atttacctca gagtcggtga acgagggaca ccctgacaag ctctgcgacc aaatctccga 180
 tgctgtcctc gacgcttgcc tcgagcagga ccagacagc aaagttgcct gcgaaacatg 240
 caccaaaacc aattgggtcat ggtcttcgga gaaatcacga ccaaggccaa cggt 294

<210> 5278
 <211> 288
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560681H1

<400> 5278

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 tcattggaac caggaccgag ctgcgagacg tgaagtccac gccgtttcag ccctacagcg 180
 aggtgtttgg gctccagang ttccgtgagt gcgaactcat ccatggaaag tgggccatgc 240
 tcgccatctc gnagctctca ctgttgagtg gctcatggtn ttacatgg 288

<210> 5279
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 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560682H1

<400> 5279

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 tggcagagaa caacaaccac caccatttcg gaaccgccat caganggtc gcctctgtga 120
 ccaaccacct cactttctct cacaacgcac ccggcgaaact cgccctgtgc cgcacttcg 180

gacgcaccaa aagacaaact caggcctata cctattgggg tctctgctga cctgcttggt 60
 ggtcagaang nttatgctat tgggaacccg tttggacttg accacacact cacaactggg 120
 gtcacagtg ggcttcggcg agaaattagt tctgctgcaa ctggtcgtcc aattcaagat 180
 gttatacaga cagatgcagc aattaatcct ggtaacatgg gaggtcctcn ctaaganagt 240
 ctggaaacct cattggggta atacagccat atattcccca tcngggg 287

<210> 5283

<211> 286

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560686H1

<400> 5283

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 gagtagttca tatgttcaat cagcgttttg ggcgcatagg tatatgccag agccagaggc 120
 agtttcaaag tcccttgcac ttgcgatatg gctgttctgt tcaagttaca cttgctctaa 180
 tgttgaccat ttttctcatt gtcccttgt acttattcaa cttgagttaa acggctgctt 240
 cacgnaaaag ggnttaactt gtctngngt atcganaggg cccngt 286

<210> 5284

<211> 289

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560687H1

<400> 5284

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 ccacaacctc agccttcaga ttcaaagcct ccgcatggc taccaccatc gccgccctg 120
 ctaccaaggt ggctcccgc gtcattgtcg gcggcggaag agtgggcagg gccttgacgg 180
 acatgggcac cggccaagan ctccctcgtnc gncgaggaga gtccgtacca ctcaatttcg 240
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<210> 5285

<211> 287

<212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560689H1
 <400> 5285

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 taaggcaaag gntcacatca gtattgtggt catngccatg tcgactctgg gaatccacta 120
 accactggtc acctgattta caagcttgga ggcattgaca agcgtgttat tgagaggttt 180
 gagaaggaag ctgctgagat gancaagang tctntcaagt atgcctnggt gctggacaaa 240
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<210> 5286
 <211> 296
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560690H1
 <400> 5286

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 agcnacacct ntgcagccgg aagtctactc cagtccattt tccnaggctt ttgggctgga 120
 anctgtninga ngtanaaagg gtcacatgct ccccttcagg ctgatcttaa ngacttgggc 180
 tcacaaagtg gtgttgatgt taccaaaatt gcaggattcg nccttgncac ttctgccttc 240
 gttgtctctg ggggcagtgc tgnaagtgtt ccnaagaggc taacttcgac gaaatc 296

<210> 5287
 <211> 286
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560692H1
 <400> 5287

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 aaaagggttag ggcgatatgc agttgagtct tacttgagc ngattttatc acatggattc 120
 ttccatgctg accctcatcc tggaaatatt gcagttgatg atgtcaatgg tggagantg 180
 atctttatga ntttggaatg atgggaagta tcagtcnaan tatccgagaa gggttactga 240

agcttttatg gaatttatga gaagnatcca gataagggtcc tcantc

286

<210> 5288

<211> 287

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560693H1

<400> 5288

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naccatctcc catctatgga aacctcgnaa ccattctcag catagatgna ggtngtataa 180
ggggtatcat tccagctgta gttcttgacc acttcgaaaa ggctcttcag gcatgggata 240
aaagtgcac actagcaagt tattttgatg tcatagcagg gactagc 287

<210> 5289

<211> 296

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560694H1

<400> 5289

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ttctcaagtc atctcctggt cttgacaagt gcgagtgggt caaaggccag acccttcgcc 120
aacctctcgt gagatgtaac ccttcctcag catcagctct caccatcaaa gctgcttcct 180
atgctgacga gctcgtcaaa accgcaaaa cagtggcctc accggggcgt ggtatttttg 240
cgatggatga gtcaaagca acctgcggga agcgtttggg catctattgg ggtaga 296

<210> 5290

<211> 298

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560695H1

<400> 5290

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<212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560702H1
 <400> 5293

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 tccaaggcct ctcaactctt cccaacccaa tgcgccttaa agagacttga ggtgacagaa 120
 ttctctgggc ttagatccac ttcattgtgc acatatgcta acagtgttag tncatcttcc 180
 ttttttgatc ttgtagcttc ccaactcact cccaagacca atggatcaac tctgtgagg 240
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 tccttcgctg ctggcaggcc gaaaagat 328

<210> 5294
 <211> 326
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560704H1
 <400> 5294

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 ctctgacaca gacatgaccg aagaaggggt tgttgtctcg ttgcaggaat ggcaggggtg 120
 gggcaccacc tccccactcc ccaccatggt ttcccaaata gttgaggatt tgaaggttct 180
 ggaagaagat ttggatgccc acatgaattt tggaggcaat ggtggaaaat tacaggggaa 240
 ttttagagta caagaagata agaagcaccg tgccacgtat caggcttggg tgattcagaa 300
 aagaagctcc agttttattc ggctag 326

<210> 5295
 <211> 323
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560706H1
 <400> 5295

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 cttctcaaca tggngtancg tctcctaacc catattnact ttactcanta ttgcantggg 120

<210> 5298
 <211> 315
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560711H1

<400> 5298

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 ttttgagccc aggaacaaca ccaagaccat ggatcgcaag aaccgcgga ggaagcccaa 180
 gctcgancgc cgtaacgctc ttaaatactc ctctccgaa tacgacgtcn tctctcccc 240
 ctccgacgac acgctctaca cgcgctccat gnggttctac gaccgcncga gttccgaatc 300
 gagggcgtcg ngggc 315

<210> 5299
 <211> 133
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560712H1

<400> 5299

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 ctaanaattt aagtgaactn aggcgaattg agttcatcaa gaggtgaaga nacnacacna 120
 catgcgacgn tgg 133

<210> 5300
 <211> 323
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560720H1

<400> 5300

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 gatcgttccg gaaagacctc gtacccaatg gacctggcag cgtaaatg gttgcagtgg 120
 attcggatga tctctggttt gcgtataacc tgatagctcc cggagactct gtcattggccg 180
 ttactgtcag gaaggttcta agagaagctg ctagtggcgg acgggaagca gaacgcgtca 240

agctcaaatt ggaaattaaa gtccaagagc ttgctgatta tgacaaagaa ggttctattt 300
tacgtgttcg cggaagaac att 323

<210> 5301
<211> 322
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560721H1

<400> 5301

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aacaatccaa gatgaatacc aacaacgaca ccgaaaaaaaa ccaatcattt ccagaagcac 120
aaggnnnnnnn nnnnnnnnnn nnnnnnnnnn ncaatgttgg gactgagaat tggggaactc 180
acataatggg caccctgct gttccaagca gccaccaga taacaaaaaa gcagctttac 240
aaagtggaca acctcaacca gttcaatact accatgacca acatcaacat ccctacgtgc 300
aacatagccc agttgacaaa cc 322

<210> 5302
<211> 314
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560724H1

<400> 5302

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gtgttggaag gtagccttng ctccacacgc ttgantgtgg ggagtggaag caggggtggc 120
tcagtcacac gtgcagggtt cacagttaga gcacagcaac aacaagtga tgggtgtgag 180
gtacaaagta gccgtagggc agtgcttcac ttgttgctgc tggtttgacc actggctctt 240
ttgttcaagc tgtgcttgct gatgccaaac ctatcanagt tggaccaact cncccaactt 300
ctggcgncgn actg 314

<210> 5303
<211> 315
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560725H1

<400> 5303

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 ggctcaaata ntcttataga caatgaaggn aatcttaagc ttgcagatct tggactgtca 120
 cgatcatttt ctaatgacca naatgcnaat cntactaatc gtgtcattac gttatggtac 180
 agaccacctg agttgntgnt aggnacaaca aagtatgggc cagctgtgga tatgtngtct 240
 gttgggtgca tttttgctga gcttcttcaa gggaagccta tattgcttgg aaaagatgan 300
 ccngaacaat taant 315

<210> 5304

<211> 310

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560726H1

<400> 5304

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 tcaaagctag aaagctttca agtgcactat cagctgctag tgctgcttgt gaccatatta 120
 gagactgggt tcttggaaact cctcagggca cttgggtatc aatgggagta tattctgatg 180
 gttcctacaa tgttccagct ggacttatat attcattccc cgtcacttgt gccaatgggg 240
 aatgggcaat agttcaagga ctttccattg atgagttctc aaggaagaag ttggattgac 300
 tgcagaagag 310

<210> 5305

<211> 304

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560727H1

<400> 5305

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 tttgtcattc cttcatatgc tgatgagatg aaagcaccg acaacattgg ttctctaattg 180

ggacttcttg gctccatccc ggacaatgct ttcaaaagat ccggcaggat aaactggaat 240
 ctcaatcata ggatgctcag ttgtatttgg tggtttaana cttgctagtg tgggatttat 300
 ttcc 304

<210> 5306
 <211> 310
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560728H1
 <400> 5306

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 actttcaaag gcgtgcaccc caagttccca aagggaggac tcatgtctca gcatttggac 120
 tccctctcca ttgggtctgt gttggacgtg aaaggcccat tgggccacat agagtacacc 180
 ggaagaggca acttcttggt tcatggaaag caaagattcg caaagaggct agccatgttg 240
 gctggtggaa tgggatcaca cccatttacc aagtggcaca agcgatctga aggaccacaga 300
 ggacccacaca 310

<210> 5307
 <211> 312
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560729H1
 <400> 5307

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 cggtgaccat ggcaaacatg attatggctt ccacaaaacc tctggttnca gtctgcacca 180
 gttcccggtt cccacacca aaactcccca ttctccaaat ttcactcccc aaagccccaa 240
 ccttgaaact gaaactccca atttcaaagc cccagatgct gtccctcctg ggagggatag 300
 caccatggtc tt 312

<210> 5308
 <211> 296

<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560731H1

<400> 5308

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taaacaaatt tttnaacctt aacaccttac gaaaatcaac taaaganaan cattgntggc 120
gctccctcac tccatctctg ccttagcnac cacactcaca ctctccnccc caataaccaa 180
accccataaa gttnaacccct ttcccttttc ctggaaccga aattcacaat tggttaacgaa 240
acaaacgcga nccagaagca gaagnnacct ctncctaacc cctgcacgcg ttggggg 296

<210> 5309
<211> 109
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560732H1

<400> 5309

catcacttac tggtagcctt gttgtgagtn agaganaagg cttcctgcac cgagcacncc 60
aacttgatac ctctgnttcn ttcttttncctt agaattccac agaatatgg 109

<210> 5310
<211> 332
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560733H1

<400> 5310

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gggtgtngag ggttctcagc aagccacagt tgggtgctgc ggacaagcta ttctttctcc 120
gggcantccg ntgtgcnaga cgttgacaag gttcgtctaca aagaggntgt cttcaatcat 180
gttnaggaaa acgttntggg cctntgttna tgaaacccta gtcgntgatt ccgtggtngn 240
acttgatcg tgccentttt gactctatgc gcgctaaaat tgcgcacgag ctncccangc 300
tcgacgaaag attggtgatg ncgaggtaaa nt 332

<210> 5311
 <211> 166
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560734H1

 <400> 5311

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 tggttggaca accatgaggc tntcfaatng tnacctacca atccatattc tggcnacaaa 120
 gcnggtgctg gnaatgcttg tcatggacgt atggtagagc gtatgg 166

<210> 5312
 <211> 320
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560736H1

 <400> 5312

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 tacggccaga tcttccgccc cgnacaactt cgtcttcggc cagtccggcg ccggaacaaa 120
 ctgggccaaa ggtcactaca ccgaaggcgc tgagctcatt gactccgttc tcgacgncgt 180
 tcgcaaagaa gccgagaatt gcgactgctt gcaagggttt caagtgtgcc atnctcttgg 240
 tggaggaacg ggttctggca tggggacgct tctgatctnc aagatcggga ngagtatccg 300
 gatcggntga ngttgacttt 320

<210> 5313
 <211> 316
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560737H1

 <400> 5313

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 ttttcgtcat tcaaatacaa tccaatatca aatatgagtc gtcatcccga ggttaagtgg 120
 gctcagagac ttgncaaggt ctatatcacg gtgcaattgg ctgattcaaa aaatgccaag 180
 gtggatctta caccagatgg tatttttacc ttctctggta gtgctggtgc tgaagaccat 240

cagtatgagc taaaactgga gctctttgac aagggttaatg tagaggagag caaaattnat 300
gtaggagtgc gaacat 316

<210> 5314
<211> 313
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560738H1

<400> 5314

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atcgctcgtc agtggatgag gcattcaaat acatnagga gatcatcaaa tgggacgatg 180
agaaggatga tgatgtatat gaaatcaacc cagaagagtc ttttacagta cagaaatgag 240
ttcttctcca ttcacaggc aagaatgaat tcccaacctt tgataancca tctttgagat 300
anatagtctt tat 313

<210> 5315
<211> 309
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560740H1

<400> 5315

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ctatagagaa gctgaatggc atgctgttga atgataaaca agtgtaccgt nggaaccttc 120
cttcgcaagc nagagagcga aagtgcgtgc gacaaggcaa aattcaacaa tgtttttgtg 180
aagaatctat cagaatcaac caccgatgat gagttgaaga acactttggc gaattggaac 240
tattactagt gctgtagtaa tgaggngtgg ggntgggaaa tccaagtgtt ttggattgtg 300
nattttgag 309

<210> 5316
<211> 308
<212> nucleic acid
<213> Glycine max

Variable	Mean	SD	Min	Max
Age	34.2	10.5	21	55
Gender	Male			
Female				
Marital status	Married			
Single				
Divorced				
Widowed				
Education	High school			
College				
Postgraduate				
Occupation	Manager			
Teacher				
Engineer				
Other				
Income	Low			
Medium				
High				
Health status	Good			
Fair				
Poor				
Stress level	Low			
Medium				
High				
Life satisfaction	High			
Medium				
Low				

ttacagaaga gtcagattga tgagattggt cttgttggtg gaagcacaag gattccaaag 240
gtacaacagc ttttgaagga ctactttgat ggaaaggagc caaacaaggg tgtcaaccct 300
gatgaagc 308

<210> 5319
<211> 303
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560745H1

<400> 5319

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aacggcgcca ttgtatttnt tcgtgctggt cagaataatt gcagagatga agaaagaaaa 180
cagtgttatg ctgaaagctg gggagctccc tggctgattg actcgtgctc gagctgctgc 240
tgctctcgtg catatggaca gctaancctt ttganagaga gagcacagca aaatcagant 300
cag 303

<210> 5320
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560746H1

<400> 5320

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cgttacaacg gtgatgctga ccatcatcag cgacgtaaaa agtttacatt tcctgctcgc 180
cttatatgtg gagattgtta tgagggtcgc ttggacaaaag ttcttgacaga tgatgctcct 240
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gcaa 304

<210> 5321
<211> 310

<212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560747H1

 <400> 5321

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 gagggaaatcc acactctctg acccctccaa ggcacaactc atccacaatt ttgaggcttt 180
 gggcgtaaat ttggtccgcg gggatctgta cgatcatgag aagttggtga aagctatcaa 240
 gcaagtagat gtcgtcatat ccacgctggg tcacctgcag cttgccgatc agctcaagat 300
 catcgctgcc 310

<210> 5322
 <211> 311
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560748H1

 <400> 5322

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 cataaacaac aggggtgtaag ctttttggtg ggagatggtg agtctagtca aggtgctttc 120
 cagtattttg gactgcaaga agaacaagta cctctaatta tcattcaaca caatgacggg 180
 aancagtttt ttaaacccaa tttggaagct gatcacattc caacttggtt gaaggcgtag 240
 aaggatggta atgttgacc attgtgaagt ctgaacccat tcctgaagct aacgatgaac 300
 ctgttaaagt g 311

<210> 5323
 <211> 307
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560757H1

 <400> 5323

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 aaatggaagt tccaagatta tgagcctccc tctagcccaa aacacatgat cccaaaagtg 120

accttactag caatcttggt catactaata tttgccgtaa cccctttatg gtaccctttg 180
 ttgagttact cttcacactt gaacatcaat aagaatattc catcatcatc ttcatacat 240
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 ggagtgg 307

<210> 5324
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 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560758H1
 <400> 5324

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 gannggnacg cnaggaggaa nctattggnc tancagaaag tctnttcttt annccgggttt 120
 ctttcanaac aatggtgcng antgtctntt tgatgncttc tcatngttac ccttcctggc 180
 cttgtcttgc ncccacaagt actgggcttn nctgcgcta tctgaagggc taccaaacat 240
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 agtcc 305

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 <223> Clone ID: 700560760H1
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 cnctogatgc ttcctttngc agccaactaa cggatggctg cttgtctgca acaactgtct 180
 catgcccact gattgaatca ttgatattaa tgtcatgctc atcaattggt tcagagggtc 240
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 gaac 304

<210> 5326
<211> 301
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560762H1

<400> 5326

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gtcggcgaca cagtatttcg gagacaacaa tcctgcgtcg tcaaagccta agnctgggac 180
atactggatt aaagatggga aagttggttg ggtcttcttg aagtggaaact cctgaagaga 240
accaggctat tgctaaagtt gctaaggtcc agcctccggt tgcagatgta gatcacttgc 300
t 301

<210> 5327
<211> 309
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560771H1

<400> 5327

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tcgccgcnnn nnnnnnnnnn nnnnnnttga ccataacctt tnanccattc gcaatgtcag 120
angtttcgcc ctatcctcac acacaacttc tctcantctc aatctcccta cgcctaagta 180
agtnaatgag aagattgnta tattcnnnct tgcagttata ctattggngn gacantggta 240
aagaatgatg ggctctcatc tcttgcnag tgggcatggt gtanatanag accttggttc 300
atttgnaac 309

<210> 5328
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560773H1

<400> 5328

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 tggnaaanng atgagaacct gnctggggag tgganccaca cctctggcca atggaatnga 240
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 cantacc 307

<210> 5329
 <211> 262
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560775H1
 <400> 5329

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 tctctgngac tcacctctnc accttctgcn tcgacntcan cgctcctgca gcacttgctc 180
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<210> 5330
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 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560776H1
 <400> 5330

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 acattgctaa taccgagttg cctccaactn caccctatca ggctgggtct tgctctgaac 180
 ttctccgtgt ttactatga gattcttaac tctcctgac gggcttgacg ccttgcaaaa 240
 caggcttttg atgaggctat tgctgaattg gatacattgg gagaggatca tacaaggata 300
 gc 302

<210> 5331
 <211> 297
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560777H1

<400> 5331

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 ggccatgtgc ctogaaatcg aggtttctga ccggnntntc cggtaanctc aaccgggaag 120
 tgactatnag gccaatgggg tgccctcctt ctgcctcttt caaggttgaa gccangaagg 180
 gagngtgggtt accggcttgg ctccccaacn tacctcaatg gnatcttctt ggtgacaatg 240
 gattgaccct ctgggactag ctgaggaccc agagaattga gntggtacgt tcaagcc 297

<210> 5332
 <211> 106
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560781H1

<400> 5332

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<210> 5333
 <211> 106
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560782H1

<400> 5333

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 nctactnctg cntgtgcttt ctncancaa ccacagacca ccance 106

<210> 5334
 <211> 310
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560784H1

<400> 5334

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tcaagaccta cggtttggga ccttactcca caagcataaa aaaggccgga gnnggaaatc 180
aaagatatgg ccaagaaagt gaatgactat gtggtataaa ggagtctgat actggtttan 240
ctgcaccaag ccatgggacg ttgtttctga taagcaaagtg gtgccggagg agcaactctt 300
cagtggcaag 310

<210> 5335

<211> 302

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560787H1

<400> 5335

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aaaaggaaan catgtatgat ctagttgatg anatagcggg tctttggatg ctttnaacat 120
taccagagct ttccttgntg gcaaggattt ggtgcaatcc cagggtatct tacagcagct 180
gtgcatccag aaagagtagc tgctgtcatn actttaggca tccttcatgc ttctggtcc 240
ctctnctgtc caaaaccacc ttctncccaa aggcntctat atactaggtg gcaggagnct 300
gg 302

<210> 5336

<211> 291

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560789H1

<400> 5336

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cactttgcag caaaagtcta ctcatcnaat ttccaaggct tttggtttgg aacctgttgg 120
agctaaaaag gtcacatgct cccttcaggc tgatctaagg acttggetca caagtgtgtt 180
gatgctacca aaattgcagg attcgccctt gccacctctg ccctcgttgt ctctggggca 240

agtgtgaag gtgtgcaaaa gaggctaacc tcgacgaaat ccagagnang a 291

<210> 5337
<211> 301
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560790H1

<400> 5337

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agtcccanac tcgtttccat ctccagagcc agagacnaac cttatactct cgtgatccgt 120
tcctctggcc acctttctaa taagctaaaa gtttcagccc tcaaaagcna cgaancaaag 180
ccacagcagt tctcactgtg tcaaaacgga tggctccccg ctttccccca cgtnccttgtt 240
gcttcaatgt ctaatttata tttgggtatc acattggngt catgaangtc ctattgtntc 300
c 301

<210> 5338
<211> 301
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560793H1

<400> 5338

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tatnctaagg agtgtctcgc ctctcngcan tcatgtgccc aactgtacga cggaggacng 180
nttncgtata tgccaccaan ccttcgccgc acgtgggcgt ggtgctntgc ctactgangg 240
tggtagcctt ccaacttgca ctctanctgg tgggtggtctg ctgtcttcta agcttcttct 300
t 301

<210> 5339
<211> 298
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560795H1

<400> 5339
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cgacacgcct tctnctgtnt ccanattcaa gagggngcng catgcactca aacaggagag 180
gattgatgtt gccattgctt ccaagtcgcc aactcccgac atcgcaacac gtatctngac 240
aatcagcat cgagncaatg tttgctgccg aggggaanatt ttacantgga aggacaaa 298

<210> 5340
<211> 302
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560801H1

<400> 5340
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tgattgctag gggagtgatg ctgggtctga ccagcccgat atcctccaca tgcttgacat 120
tcnnccagc agcagagtcn cngaattggg ttaaaatgaa ttggtggatg ctgcattccc 180
tcttcttaaa ggtgttggtg ctacaaccga tgtggttgag gcatgcactg gggatcaatat 240
tgcatgatg gttggtggat tccctagaaa agaaggtatg gagaggaagg atgtgatgac 300
ta 302

<210> 5341
<211> 300
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560802H1

<400> 5341
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gatagagatg atgaagatga tagaaggat tatggcanaa gaggaagagn tagagatgat 120
gaagatgata gaagggtntt acggcagaag aggaagagaa aatatgacan ggatanagat 180
agatatgaga ggcgcaggag agatgaacat gaagaagagc tgggcgtgga agggctnngg 240
ggatagagat ggtatangaa gggtttacag cacggttctg gtgaacttga attatatgcc 300

<210> 5342
 <211> 296
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560804H1

 <400> 5342

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 gaagcacgcc gagaagggga agcttccgaa ctacgtgggtg gtggagcaga ggtacttcga 120
 tgtggagggtt tttccggcga acgatgacca cccctgcatg acgtggcggc cgggcagatg 180
 ttcgtgaagg aggtgtacga ggttttgagg aagagttcgc agtgggagga gatggcgggtg 240
 ctgattactt acgatgagca tgggtgggttt tatgatcatg tggcgacgcc ggtaga 296

<210> 5343
 <211> 297
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560805H1

 <400> 5343

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 gagtgggtga agggacaaac acttcgcca cctttgctgc atcagttgtg agatgcaacc 180
 ccaccacccc atcaggcctc accatcagag ctggttccta tgctgatgag ctcgtaaga 240
 ccgcgaaaac agtggcttca ccaggagggt gtttttggc catggatgag tccaatg 297

<210> 5344
 <211> 297
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560806H1

 <400> 5344

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 caannntac nagcaggtat tggcanacag aaacaccctt tctagcattg cgatttgatc 120

tctccacctt ggtgaaagcc ntgtgaaaca taaggcttta cagaagggtg aattttgact 180
agaagggatg tttggctggt gagtttatgg aggggtcaagc tctttgttga atagtgtttg 240
tgttgcctta tctgcaattt taattgaacc aatcctaccc tttttatgaa catatgg 297

<210> 5345
<211> 298
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560807H1

<400> 5345

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gaattagcat ggtgaagctc taattttgat tgaaaaataa cactaaaaac acctgatgaa 120
ctgtatctaa gctttgtcca taacagaatt ggaaggccga tgtaaattcc tggtagacatac 180
gactancntc attgattaag attgcaagtt tgtgttggtc tcaagggtag catttgaatt 240
gagatattaa taataggatc ctgtttatcct gtgtacttaa ggtaatggtt aaggaact 298

<210> 5346
<211> 280
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560808H1

<400> 5346

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agaaaggctt ccactttctgc aatgctcanc ttggcgcttc ggtgtttcgc tattgctggt 120
tgccagcttc atttgtgctc ttctgttatg gcaacatctg aagtttcagg gaattcagtg 180
gataccgatg ggaagcttgt aaatgaagag ccagcaaaaa caagccttca aggatatgat 240
gaagaagaaa aatttaaagg gcttttccaa aatctattcc 280

<210> 5347
<211> 300
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560809H1

<400> 5347
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 agttttacca tttggatcca tggaattgga gctagagaag agcaattcga ctgaagcatt 120
 caggtctatc ctggaaaaga tagaaacagc caagctgagg gtggtgaact tgatgttcta 180
 tgccatcaac tccaggaatt aatttcttcc ctgaagccat caaaagacat aattcaaagc 240
 attgggagaa tattcccaag caatgcacgt ttaattgttc gatccagtgc caatgttgag 300

<210> 5348
 <211> 302
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560810H1

<400> 5348
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 gggctctgcc tatgatattc cagacgacca acaagaatca caagaggaaa gggtttggtt 180
 gactcccttt tccaagctcc acaggatgct ggaacnncac tatgcagtca tgagctccta 240
 cgagtnoctc agcactggac ttcgccagtn cttggacaac aaaatggatg gattctacat 300
 tg 302

<210> 5349
 <211> 298
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560811H1

<400> 5349
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 ggtgaagatt tgctgcattg gtgctggata tgtggggggg cctactatgg cagtcattgc 120
 acttaagtgc ccatccattg aagtcgctgt tgttgatatc ctaaattccc cattgcagcc 180
 tggaacagcg accagcttcc tatctatgaa cctggccttg atggtgttgt gaagcaatgc 240
 cgtggcaaga acctcttctt cagcactgat gttgaaaagc atgtctttga ggctgaca 298

5350 5351 5352

<210> 5350
<211> 301
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560812H1

<400> 5350

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ataacatnnc tacntatntc atntcgacac cgacacncca aacatacnac tcncaacgac 120
ctncaacntc tccnatctta acctcccca accctactta ttctctcctc catanccaan 180
cttcccnac ttgaattntc ntccattagc atnaccctaa ccctaactcg tcaaattccc 240
tcatccatcg ctaaactcac ccaactcctt antaatatat caccacaca acatanatnt 300
a 301

<210> 5351
<211> 287
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560813H1

<400> 5351

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ccaagtgagg aacaagcaag tggttctaag agattntgtc accggattcc cttaaagaatc 120
cgacacgaac attgttgaag gcacctata ttgaagggtc cagaagggtc caatgatgtc 180
cttctaaaaa atctctactt gtcatgtgat ccatacatgc gactcctnat ggccaaggac 240
cgttctttcg gagatgggtc cttcaccctt gcctctccat tgaaagg 287

<210> 5352
<211> 288
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560814H1

<400> 5352

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tgagccacct gatatccaga acagaganag ncacaataag gtagaaagta ttaattnctg 120
 ttttgatca aatccttcaa ctgaaacgac ttcaaaacat catggacatg aaaggtaata 180
 ttgatgatcc catgaattat ttctcatcgt tgaacttcga aggctgtaac tttggggcgt 240
 ttaatgaatt ctcccaacct ccatntgaag attcagaagc ttctttct 288

<210> 5353
 <211> 287
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560815H1

<400> 5353

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 ggggaagagc aagggaatga gaattnatgc caagccacca gcattcctgg tgatagagtc 180
 cctgacatgg gcaaaagaca gctcatgant ctgcttcttc ttggtgncat ttcanncccc 240
 tctgctggna tgcttattcc ctacacctac ttttttgtcc ctccagt 287

<210> 5354
 <211> 300
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560817H1

<400> 5354

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 agcgccanga tcggacactt gtctccatt nccttcatta tcacagtttc catctaacca 120
 tttctcgag aattccagtt ccagtttcag gntcacngan ttgatggcta aagttggtaa 180
 gttgcggana aggctcgagg tcacagggca agccacatc ttttgtcttg tggaagaaaa 240
 aatctgaaaag atgttaatgt taggaagagc tcttctaaag cattggngaa gaaagatggg 300

<210> 5355
 <211> 300
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560818H1

<400> 5355

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gatggaccgt caccttctct cctcgttcc aaattttccc cagccagcat gtccattttc 120
agcgtgctaa ccatgatgtc aggagtgtt ctatatgacg cctctttgtt ccctttgcgc 180
geagattcac agggaaacct tctggaatca catgtttgca aagaatggga ataggcttca 240
taatcaatat catagccact gtgattgctg gcctaattgga aatgaaaagg aaatctgttg 300

<210> 5356

<211> 231

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560819H1

<400> 5356

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atcacactgc taaagtcttg gtctctgccc tggcaatacc caaattgacc aaaatcccga 120
ctctggactt cttcaacgcc ctactcctcc agaccactc gatgacgctc gtcaggctcg 180
gagatcgta gattggaagg ctgcaaagac atatcaagat agtaaagtca t 231

<210> 5357

<211> 295

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560821H1

<400> 5357

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nnnnnnnnnn nnnnnnctcc atatcaaaca aagtatagat aaaatntcat tgcagcttca 120
ttttcatcct ccaattaatt agcaatgggg cacaatccct tttcactncc tcttctcttc 180
ttaggttcaa ctctcttctt gtttctcca cccctcttc ttcttcacgc tccaacagcg 240
tttctttccc cgccctctcc aggaacataa ggaaatcggt agaagataga aagat 295

<210> 5358
 <211> 295
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560822H1
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 gagaagaaga gcttggtgtt accgttgctg ttgcgtgacg tgcccccttat cttgttgga 120
 ccaaaggccg aaactttgaa gataacaaga gagcaatggc tatttggtgtt tctgggtcgc 180
 acacactttt cgtgaaccgt tccaatttga agactgtggc ggttctgagc agagagaaga 240
 agatgcgtgt gcaatacgat ctgaagcaag ggcagagtcg tatttccacg agctc 295

<210> 5359
 <211> 296
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560823H1
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 atttcagagc gcaactncggc tacatggcgc cagagtttgc ctgcaagacg gtgaaaatca 120
 ccgagaaatg cgatgtatat gggtttggtg tcttgtcttg gagatcgtca cagggaagag 180
 gccagtcgaa tacatggagg atgatgtggt ggtactatgc gacatggtga gaggggcttg 240
 gaagaaggca ggggtggagga gtgcattgat gagaggctcc aagggaagtt cccagc 296

<210> 5360
 <211> 297
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560824H1
 <400> 5360
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 tggaattgaa ctttttgagt accatgatga tgacgaaccc tctgaagatg tcgacataag 120
 catcaagggc aagaggaaag atgatggtgg cattttttga gactaagaat tgctgataaa 180

gaaggtcgca tccgaaatat ttatttccca ttgacatag agctggacac ggcaataagt 240
gtggcaactg aaatggttgc agagctggac atgactgatc aggatgttac cagaata 297

<210> 5361
<211> 287
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560825H1

<400> 5361

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nagaaaagaa ggctggccaa ttcaaactcag tttaggtgta tcagatccaa agattgggtg 180
tcagatatct gaactcccta aaattcctgc caaagtaacg agtttgacag tgagcttctt 240
cgtggtgtgc gcctccattt tgatagtcca gggattggaa aaggcac 287

<210> 5362
<211> 297
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560826H1

<400> 5362

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gataagccag ctctaatacac atatccggat ttgnttttaa ttatgtctcc tgctttcagg 180
ggttattatt ttgtcccgag gcatattacc ttctgtctca caatttctgc atttatcata 240
ttagtccacc tgggcatgag ttgggagctg ctgcaatcga tcaagatcac ccaattc 297

<210> 5363
<211> 295
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560827H1

<400> 5363

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gagaggatcc gaaaggcggc ggatggagat ccggtgcacc ggaagatatt tgtccacgga 120
ttgggctggg acactaccgc cggaacccta atagcgcgtt ccggcagtac ggagagatcg 180
aggactgcaa ggccgtcacc gacaaggctc ccggcaagtc caagggctac ggcttcatcc 240
tcttcaagac gcgccgcggc gccaaaacgc gctcaaggag ccgcagaaga agatc 295

<210> 5364
<211> 290
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560828H1
<400> 5364

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tctggatgaa cttgaagtta caaaactatc atgaagatat agtccttcag ttatagctca 180
cggattaata ccagattaga taccaccta tcctatgtat gcttgtgttc tgtcttaata 240
cagaatgtaa agtagttcat cacggctcaa gcatgttatg gatctggaag 290

<210> 5365
<211> 294
<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700560829H1
<400> 5365

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cattcggagc aagactcctc ttgcgcccg cccgncccaa naccaaccg tcgccgctga 120
cgccaagctc ggccccgcgc gcgtctcctt agcatatggc cccccactca gcgcacgcgc 180
gacgcgctca tcaactgcct catcgaaacc ctatcctccc cctcngtcct ctccaaacgt 240
tacgggacaa tgtccccga cgaggcctcc actgccgccc gccagatcga ggac 294

<210> 5366
<211> 288

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560830H1

<400> 5366

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 acacttgtca catttacatt tagtgacaga tatatagtaa ncatcatcat gggtttgaag 120
 aacagtggcg ttggtcatag agcatgganc tccttcgggc atcattgctg tgggcaagca 180
 aagggtggcgt gttgaggcgc aggggtggcga tggagctgcg tctgtaccaa agtacttgaa 240
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<210> 5367

<211> 291

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560831H1

<400> 5367

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 tgttcattgc tgtgttgtct gaatatgtgt ngananaatt naggatncat cagattcntn 180
 gggntntgtct gtnagctttc tcagcanaat cttgctacca atagttggna atncagctga 240
 acatgcagga ncaatcatat ttgctttcaa gaacaagctg gacntttcat t 291

<210> 5368

<211> 299

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560833H1

<400> 5368

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 cggnaccttc gacanggcgg aggaggcagc gcgtcctacg acgccgcagc acgagagttt 180
 cgcgcccta aggccaaagac aaacttcctt ctccctttgg aaaatgttaa gaactcgagc 240

cccagccaga gcagcaccgt cgagtcctcc agccgcgacc gcgacgtcgc cgccgattc 299

<210> 5369

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560837H1

<400> 5369

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caaccccccc gttactcaaa tcagaaactc tcatttgaag ctaacaaaca acaaagatca 120

acggatctat ctaccttcag tcatgggtgt tctttcaacc aacgcttctg gggttcttct 180

tcgcttctcc tctcgcgggt cctctctgtt tctctctcac tcccactttc ctttctgaca 240

ccgttttoga ttctcaacca gcgcataccg gtcggaacct tcttcaggct aa 292

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<211> 294

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560838H1

<400> 5370

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caggttgctc aagaggggtga ggacactact aacttgctctc tcgcagggtg gccctcactg 180

ttctcattgg tgctgctgct gttggctcta aggttgacc tgctgatgct gcctatggag 240

aagctgccaa tgtgtttgga aagccaaaga caaactga cttccttcca taca 294

<210> 5371

<211> 291

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560839H1

<400> 5371

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 gacggtgtac cctgagcttg atgtgattgg ggggaatgtt gtgactatgt accaggctga 240
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<210> 5372
 <211> 294
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560840H1
 <400> 5372

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 tggctcagaa acntactttt ganagggggg tcaacatggc acagttaaaa cctgtttgtc 180
 anttgtgtng gaagccatat atgtctgac tgacgtatat ttgctgtgag acatgccgaa 240
 attggtatca cgctgaagct gttgaacttg aagnntccaa aatttctagt gtgt 294

<210> 5373
 <211> 298
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560841H1
 <400> 5373

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 gggctctggac ctgggggttc agctcccagt tcancttctt tgggagcagc ttgaagaagg 180
 ttattggctc aagggtcccc aacacaaaga tttcctctgg aagcttcaag attgttgctg 240
 tagaagagaa gaaagagatt gaagagaccc agcagaccga caaggacaga tggaaggg 298

<210> 5374
 <211> 294
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560843H1

<400> 5374

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 caaggacggc gatggttgta ttactactaa ggacttggga ctgtgatgcg gtcactaggg 180
 caaaacccaa ctgaggcaga actgcaggat atgattaatg aggttgatgc tgatggcaat 240
 ggaaccatcg acttcccaga gttcctcaac ctgatggctc gcaagatgaa agac 294

<210> 5375

<211> 283

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560845H1

<400> 5375

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 atgctccacc tgtcccagaa acgagactcc tgcacaanaa agagcnagan tacacaagct 180
 aaggctagag aaaggagctg caaaggctgc tgaggagctt gagaaatatg atccacataa 240
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<210> 5376

<211> 301

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560846H1

<400> 5376

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 gctcgaaatg ctacggcgcg atccgcttga aggagcagaa gnagcgtcga cgaaatctac 180
 aatcganacc gcgctctctt cttcctcggt gaaaccgtcg ttctccacgt cacctccaac 240
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<210> 5377
 <211> 278
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560847H1
 <400> 5377

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 gttcaggccg gagaccatcc tcgaaaccga atcgccggca ccggcatcaa attccggtgg 180
 ttccaacaat tttcccgttg atcaaagtac aggggattat gaaaattatg agaattacca 240
 atatgccacc gaccagtatg ctaattatta tggcaatt 278

<210> 5378
 <211> 299
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560848H1
 <400> 5378

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 gctgcatcac aactttgtgg agacaagatt cacacgattc agtttcattc gcacaaaaaa 180
 tcggtcgcaa tctgttaatt gttacccta aagcagtttc tgattcccaa aactcccaa 240
 cctgtcttga tcccgatgct agcagaagtg tgcttggcat tatacttgga ggtggtgct 299

<210> 5379
 <211> 295
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560849H1
 <400> 5379

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cagtagcgct aaacgcccct ttatggaaga agacgacgac gaattctcca aaaagccacc 120
 agcaaaaagg gttaggtttc caaagggaaa gaagtgaagc caggagatga agtgggtggtg 180
 gacaaagcaa atgttgagga gggatgaaga gttgacttgg tgaatgctaa aactgctacc 240
 aatgctgcc aagagcggga aaaactcaga aggtttctaa agggaaagaa atgaa 295

<210> 5380
 <211> 290
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560850H1
 <400> 5380

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 acatgtatga agaatgaaga cggatcagag aatggggata tgtgcaagtt agacaaaaag 180
 cccacttggt ctgggtggctt tacagaagtc catacagagt ggagaatccc tccaagcctt 240
 ggccaatcat ctctggcttc agggaggacc aggtctttca ggagttgggt 290

<210> 5381
 <211> 293
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560856H1
 <400> 5381

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 aactgtcttg ctccctttgt gaagatcctg gatgcagagt ttggaattgt gaaggggaacc 240
 atgacaacca cgcattccta cactggagac cagaggcttt tggatgcttc aca 293

<210> 5382
 <211> 292
 <212> nucleic acid
 <213> Glycine max

5382 5383 5384

<223> Clone ID: 700560857H1

<400> 5382

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gattgtaggt tnttcattat ttggcggcgg tgagttatta cgcgcaacag tattgaaaag 120
tcatgcatat gctatatgca tatctcaaac gtgttttatt ttttcagaaa caggggttgaa 180
tatttttgtt ttagcgtctg agctttgaat tacagagcaa agtgaagcgt gaacatgggtg 240
atgcatctaa acgggacacc gtgcgctctc ggattccaca tgctgcgga gt 292

<210> 5383

<211> 294

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560858H1

<400> 5383

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gttgtgactg atggcctcgg tgacgggttt tctgcctcac atgtcgtgc tgtaaggcac 180
caccggtttg aagttggaat tggagttcgg gcggtgtcgt catctgaatc tgaaacagtg 240
gcagctgtga acggatcttc ttgcggaat ggttccttgc tactgaagga ggaa 294

<210> 5384

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560859H1

<400> 5384

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gatgttgtct ccatgggaac tgggaagtaa ccatgggcaa tgatttgtgg tatggaccag 180
acagagttaa atacttggga cccttctcag ctacagacccc ttcatacttg aaaggagaat 240
tccttgggga ttatggatgg gacactgctg gcttatctgc tgaccagaa nc 292

<210> 5385
 <211> 300
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560862H1

<400> 5385

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 gcaactgaca caccactgg accccttnac tcancaanaa atcacnctcg tcaaaacccat 180
 agtcctaaaa aagtacccca agaccagcna accgcgtctt cttccactac gtcggnctcg 240
 ncgatcctga caaggccgcc gncctcaa at ggctctctcc ggngcccgga cgccgngcaa 300

<210> 5386
 <211> 296
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560863H1

<400> 5386

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 aacattgcct tttccctcag gtgcntcttt ntnccaatc ctctatcggc taacttgta 180
 gatccagtag atcctcttag tacttccatg gactttctc ctttttccct gatccactgg 240
 tgagaatgtc cttgccatct cagcagattc ccactntcnn accattaatg tgtgat 296

<210> 5387
 <211> 290
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560864H1

<400> 5387

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 ttctctcgtt tcggcgtctc gtcgtacgca atgcgnccgc cgtctccgtg caagcngcgt 120

gccgttaaac ccttaacggc acttccagcg cggggcggag gcagttgctg ttttttctga 180
 cggcgacgac ggcgttgacg gcgaggggaag cggcgctccgt ggcgcaggan attcccttgt 240
 tcgggatacg gaagagtctg aagaaggtgg aggangaagc ggaggagatt 290

<210> 5388
 <211> 293
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560865H1

<400> 5388

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 aagagtgggtt cttccataga ttgaaagcgg acgcccatt cctatccccg gctcaggaat 180
 acagataacc caacttggtc atgttaagga tttggcaaaa gcttttatcc aggttcttgg 240
 taatgagaag gccagcaagg aagtattcaa catctcgga gataagtatg tca 293

<210> 5389
 <211> 249
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560867H1

<400> 5389

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 aagaacgttg cgaatctcga cggtgaactg actgtggagg agcggaattt actttctgtt 180
 gggtaacaaga atgtgattgg tgctcgga catcgtggag gatcctgtct tccatgagca 240
 aaaggaaga 249

<210> 5390
 <211> 292
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560873H1

<210> 5393
 <211> 294
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560879H1

<400> 5393

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 tattgcagag gaggatgacg atgatttttg anattgtctt atttcaccct atgaattgct 180
 atgaggatac cttcgtttcc aacctttgct catcttttcc ttttgaagaa tttccattat 240
 tatttccttt tcaaaagggtg aatttttcat ttctaagtgg aagatctctg aaag 294

<210> 5394
 <211> 293
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560880H1

<400> 5394

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 cctctctctg tccgatgctc tggcgattcc cctccggctc tgtgggttcg gagttcgatc 180
 cgaagggtgtt tcgtaagaac cttactcgga gtaagaatta taaccgcaaa ggatttgggt 240
 acaaggaaga gaccctccaa tcatgaatcg cgagtacacc atgatatcat aag 293

<210> 5395
 <211> 293
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560881H1

<400> 5395

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 tcaaggatga aaatgagacg aaacatttga ggaaatggaa ggagcaaaga gtcgtctcca 180

ttnttttgna atggatcttc ttgacatcga ctccattgcc gctgccataa aagggttgct 240
ccggcgtaat ccacctcgnc atgtcctaac atcatcggtc tggtcgaaga tcc 293

<210> 5396
<211> 136
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560884H1

<400> 5396

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ccactactgt cgaggggaagg atagtgtaca agagttaaac ctcattacat tcgtaacatt 120
atcgtaacaa caataa 136

<210> 5397
<211> 287
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560885H1

<400> 5397

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tattnnaaaa ccacgaggna gccagccct gagcttttgc ttcctcacn ggtttngctc 180
gatgacaccc tcttgnttat tggctgggga acatctgtcc naaattgctt caattagnac 240
aaatcaccan aaagcagcca atgggtcatt caggcaattc ctttgtc 287

<210> 5398
<211> 289
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560889H1

<400> 5398

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<400> 5401
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 gtcggttctg cttcaganac ccgattcggt tgggaggttt ggcaagtttg ganggaagta 240
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<210> 5402
 <211> 294
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560901H1

<400> 5402
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 accgagaaga aaacgatttt gtcagttgaa gacatcattg ctttgattgg tgataagtgc 240
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<210> 5403
 <211> 288
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560903H1

<400> 5403
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 atttgagaac tcaggtgaac ttggacccta catcggtgag tacggtgcag attacagaat 180
 aataagcacc ttcaactctc cattccaagt tggtttctac aacaccaccc caaatgcctt 240
 cactctagct ttgcgtgtag ggctccaacg ctcgagcag ctatttctg 288

<210> 5404
 <211> 286
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560905H1

 <400> 5404

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 acagcagtac tctgcaaag ggttgatct atctttcntg cccagcgatt tctcctnttg 120
 cattgcttct tctcttacc agtatgaagg agcttacaag agtgacggca aaggactgag 180
 caactgggat aactacactc acggaccagg tagaagtgtg ataattggatg gaagcaatgg 240
 ggatatcgcg attgatcatt atcatcgcta cctggaggat atagat 286

<210> 5405
 <211> 280
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560906H1

 <400> 5405

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 ccacccttcc attcgacgcc gccctttgat ntgcgcgttt acctcnaaac gacggacatg 180
 ttgccaggat tttcaagctc gaattttgat tggaggaatc ttattgtgaa cgagaatgtg 240
 aatgcagatg attctatgca ggatgcagag aacagaaaact 280

<210> 5406
 <211> 288
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560907H1

 <400> 5406

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 gtgatcagag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncaacgaat 180

gccgggataa gaggaattgg atgagttctg ttcagctctg gaataacaac actaccactg 240
ccaccactaa taataacaac ctttctgatc gcaaacaact acttcaca 288

<210> 5407
<211> 280
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560908H1

<400> 5407

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ctcgctccct cattcatgtc cgatctgtac gacggangac gggtagttgc gtaactgccg 180
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acttgccttt cctcgctggt ggtggtnctt tctagtntct 280

<210> 5408
<211> 248
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560909H1

<400> 5408

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tcangacagc atctccgctt ctncacctc cgcntctgat tccgtcttca atcacctcgt 120
nngnntcnc naanatecta tntcgggggt aactnnagct tataacaaag atccaagtnc 180
agttaagctc aacttgggag ttggtgctta ccgaactgag gaaggaaaac ctcttgtttt 240
gaatgtag 248

<210> 5409
<211> 286
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560910H1

<400> 5409

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 agagttgcag cttcatcatt cagaaggcat ctcaagggcc atggaggtaa cttgggatcc 180
 attaggtttt caacttcggc cgcggtagtg caaggacttc atctggtggt ttgttttagct 240
 ggcttactgg agagcggttct agtgctcttc ctctcttga cataacc 286

<210> 5410
 <211> 287
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560911H1
 <400> 5410

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 anggttgagg caattttgct taaatctaaa tcctctgaag aacttgggcg atacactgag 180
 gctgcaaagg agtgcagaat tgttgtggat acagttgagt ctgctcttcc taatggaatg 240
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<210> 5411
 <211> 140
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560912H1
 <400> 5411

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 ttaagcgcan nngtttttagg gctttgccgt tgcgttggtg gtttgctttt taaatgtcaa 120
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<210> 5412
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 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560913H1

<400> 5412

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 caaactaanc cccaaaagct tctttcgtaa aaangaacca tcttttagtct cacgctccga 120
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<210> 5413

<211> 292

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560914H1

<400> 5413

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 atttgaggaa tcagtcggac aggcattggt tgatctggnc aataccaaca atgagctgaa 180
 aagtgatctg aaagatttat acataaactc agctgtccaa attgatgttt ctgggaaccg 240
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<210> 5414

<211> 221

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560915H1

<400> 5414

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 acgtgggtccc agacgcgccg ccgatgcctc cagctggcct ccgccctctc ctcccttggt 180
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<210> 5415

<211> 184

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560916H1

<400> 5415
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 atac 184

<210> 5416
 <211> 288
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560917H1

<400> 5416
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 tgtggagcat gctcgaactt gtgtacttga tacaacgagg cacgtgtact tcccttctaa 180
 ttctcaagaa cctgggtgtgg tcttcaatgc tgtgggacaa gtgacaggac tgctttctga 240
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<210> 5417
 <211> 278
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560918H1

<400> 5417
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 ctttgaaacg agagtctgga tctaagggtcc gctatgctat tattcaggcg gcaaaggctg 180
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<210> 5418
 <211> 285

<212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560919H1

<400> 5418

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 tancagtatt taccaatagt ggggagtcta gtagtgactc acttgatggt gctgaaattc 180
 ttagaaanct aagtagtaag ttttaattttc cccatgaaaa aattggngaa gcaaggaaaa 240
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<210> 5419
 <211> 285
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560921H1

<400> 5419

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 taatattaga gttctttctc tttcattcat ccttggtaat ggcttggtgca ttgcaagcaa 180
 ccttagcagn caacacctat gccttttctt ccaggagatt ctcttgaag caccaaaaaga 240
 acagtaagag aaggttttct ttgttcaactg ttagagctga ttctg 285

<210> 5420
 <211> 284
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560922H1

<400> 5420

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 cgcgtgaggt ggcagcgggtg atggaataca aaggcttgaa gcttcaagaa gccgtggatt 120
 ttgtgatcaa gcaccgtctc gatgaagga tggctggtct cattgctgtg tccaacgctg 180
 gggaagtggc ttatggtttc aattgcaatg gcatgtttag gggctgtgcc actgaaaatg 240

gcttcatgga ggtcggaaac tgggaatagc ttcattatct tcct

284

<210> 5421
<211> 274
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560923H1

<400> 5421

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ttgctacccc aactntgact cngagaagat atttgggtgt gtgtggaggt ntgtgcacta 180
ggtcattcgt cgttanttct ctaggggtga accngtgctn caaatctcnn natgagttng 240
tgtggaacan gnagctaggg nattntggta gtat 274

<210> 5422
<211> 280
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560924H1

<400> 5422

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aaccgcctcct cntccgttct ctccctcttt ctgccgtcca atcactccgc aactnctgcg 120
attctcccga aactccggaa cctttcgccg ccgttgattt cccgccaaaa caagctcgcg 180
gtcacagcca ttcaggtttc ggatctatcc gagaattncg acgattctgt cctcgaagac 240
gttccgcacc tcatngaacn ncantcccaa tttgccggtg 280

<210> 5423
<211> 285
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560925H1

<400> 5423

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664227-625760

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gataagccag ctctaatacac atatccggat ttggcttttaa attatgtctc ctgctttcag 180
gggttattat tttgtcccga ggcataattac cttctgctcc acaatttctg catttatcat 240
attagtccac ctgggcatga gttgggagnc gctgcaatcg atcaa 285

<210> 5424
<211> 284
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560926H1

<400> 5424

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gcagaaggggt tgtgggctgt ggtggatgtg tccatagata gcatcagaga aagttcagga 120
gcacccactt ttgtgaacgg taggaggctt ccttctgggt gcgtggtgca agatatgccc 180
aatggttatt ccaaggtgac atgggtggag catgcagaat acgaagaaag ccaagttcac 240
cagctctata ggcctttgtt gagctcaggc atgggggttg gtgc 284

<210> 5425
<211> 286
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560927H1

<400> 5425

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ggaggtggtg gcgtgctttc aaattcaaag gtaagaagca ggaggtccaa agaaatatcc 120
atggcacatt cagtttgtgg ttcgagaagg tccactgcac ttgtgatttc atccttgctt 180
ttcggttcc ttttcctatc tccgccagct gaggccagac gcaacaagaa ggccatcccc 240
gaagaccaat acattactag ccctgatgga ttgaaatact atgatt 286

<210> 5426
<211> 281
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560929H1

<400> 5426

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cccaanctcc caaccactac tataaacacc acaaactcct ctctctcttt ttcttgtatc 120
cacatctcca acggaagaaa gaacagccan gaaatcagag aaaaaaaaaat gccacctttt 180
gccggatccg aaccagttgg attccctaag ccagattccg acatagtttc cattgacgtt 240
ggtggccaac tgttccaaac cacgaaacag acactaacct c 281

<210> 5427

<211> 295

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560931H1

<400> 5427

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ttgaaagaag atcgattcga ttcgatcgat ggctctggtc ggagttgaag tgaagcatgc 120
ggcggagggc gcaccggagg agaattgctc cgccaagccc accaagcagg gcgagggcct 180
ccgccactac tattctcaca acatccacga ncatcagctc cttctccgtc aaaagacgca 240
taacctcaac cgtcttgagg ctgagagaaa cgagctcaat tccaggggtga ggatg 295

<210> 5428

<211> 281

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560933H1

<400> 5428

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cagaagctct tagcttatat tgaagaacat ggccatggaa gctggcgtgc cttgccanca 120
aaagctggac ttcagaggtg tggcaagagt tgcagactaa gatggaccaa ttatctcagg 180
cctgacatta agaggggaaa gttcagtttg caagaagaac aaacctcat tcaactccat 240
gccctottag gaaacaggtg gtcggcaata gccacacact t 281

<210> 5429
 <211> 284
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560934H1

<400> 5429

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 tctctggcct ccgaagctca tcaggcttcc ttcccttttc tagaaaatct tcagaggatt 180
 tccattctgt cattgccttc cagacctatg cagttggaag cagtggagga tatcagaagg 240
 gtgtgacaga agcaaaactg aagggttgcca tncaggggtt ggaa 284

<210> 5430
 <211> 283
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560935H1

<400> 5430

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 ggcctttcag ggggtgaatc gatttctggt gacgttaagg acatgaaact agtcttattg 180
 ggtgagattg atccagtga tgcaagtca aagctacgaa agtgggtgtca cactgaacta 240
 atttcatttg gaccagcaaa agaggagaag gagaaggacc ccg 283

<210> 5431
 <211> 283
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560938H1

<400> 5431

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 ggtgccaagg cattagcgac ctctttgcaa aatctcgatt tgnatcctcc atccaacgtc 120

aaatccaagt cctccatttc aatcacccac cctcaatttc ccggattact gcctatgaag 180
 acaaagcntc cgagtttggg cagcctttgc attggagttc ttggaagaca tttggaggat 240
 attattgcag atttgagtga aattgctatc aacttgccag ctg 283

<210> 5432
 <211> 283
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560939H1
 <400> 5432

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 actacgccga tagtgatgga gagtgcctttt gcaagcncct ctgcgattac tgaccagagg 180
 cagaagatag agcagtataa gcaaatactt gctgctgtca tttcatctaa tgacattggt 240
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<210> 5433
 <211> 285
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560940H1
 <400> 5433

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 agctaggaaa tgagcaattg tacatggaga cttcggattc ggtgccaagg ttgaacacgg 120
 actcgagcag ttcggagcac gtggtttcgc ccgatgtcac gtgcgagagg gaggtgcaga 180
 gcgaccccaa gtggaacgat gatctggacc taaagctaga aaacgcgttt gattttcagt 240
 ttaattactt ggacgataat aacctttccg tggatgatta ccttt 285

<210> 5434
 <211> 284
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560942H1

<400> 5434

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 tgancatgga agcaggaggg aattgatatt caggctgaag cttccggata tctacatccc 120
 caaanatatg ccccnncact cttactgntt cgngaatttg agagagtgtg gttcacgccc 180
 ctgcctgata aatgccccca cgggagacgt ctacagctac cacgaggtgg acancaccgc 240
 caganagggtg gcgangggggc tgangnaaga gggcgtggaa cagc 284

<210> 5435

<211> 284

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560943H1

<400> 5435

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 ctccccctgc actggcaccg acaactccgg caccctggt agcaccacgc gctgaggttc 180
 ccgctccgc tccnnnnnnn nnnnnnnnnn nnnnnnnng taagaagcac actgcaccag 240
 caccgtcgcc ggcattgctt ggccctcccg ctccctcgggt agga 284

<210> 5436

<211> 291

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560946H1

<400> 5436

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 tgtcaagatg tacacntcaa ggaagaaaat ccacaaggat aaggatnctg agccnactga 120
 atttgaggaa tcagtcggac aggcattgtt tgatctggnc aataccaaca atgagctgaa 180
 aagtgatctg aaagatttat acataaactc agctgtccaa attgatgttt ctgggaaccg 240
 caaggctgtg gttatccatg tcccctacag attaaggaaa ggattccgga a 291

<210> 5437
 <211> 291
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560947H1

<400> 5437

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 ccgtctcccc tgcgcttttc caaatttttt cagtccaaca tgagaatctt ggttactgga 180
 ggagctggat tcattgggtc tcacttagtt gacagattga tggaaaatga aaaaaatgag 240
 gtaattttgc tgacaactac ttcactggat ccaaggacaa cctcaaaaaa t 291

<210> 5438
 <211> 292
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560948H1

<400> 5438

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 tgcacaagct cttgtatcat catcttctct taccttctca gcggaggctg caagacaaag 120
 tcttggacca agatcactcc aatctccatt tggcttctcc agaaaagcct cctttcttgt 180
 caaggcagct gctaccccc ctgtcagnca aggnrcagac agacctttgt ggtttgcatc 240
 aaagcaaagt ctttcttact tggatggcag ccttcgggt gactatggat tt 292

<210> 5439
 <211> 284
 <212> nucleic acid
 <213> Glycine max

<223> Clone ID: 700560949H1

<400> 5439

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 ctgctcccaa acaattgttc ggattcggag ttgtggcgat gctcgccact ctcatcttg 180

ctctctttat gcccgccgct gttcaggctc aatcngcatc ccctgcacct gcanctacta 240
gcgacgggac ctcccttgat caagggatag catatgtgtt gatg 284

<210> 5440
<211> 283
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560950H1

<400> 5440

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nnangaaaat ctttccaatg tgancctgtc tttgccaaga tgggaatcaa ccccatcatg 180
atgagtgttg gagagttgga aantggaaat gcagganagc cagcaaaaact gntcaagcag 240
agataccgtg aagctgcaga catgatcaag natggaaaga tgt 283

<210> 5441
<211> 272
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560953H1

<400> 5441

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cacctaagcc aagccactgc agctacctat accatttggg aagatttatg aatncgggaa 180
ttgtgtaa at gttgtgtcat cattagttgt ttctgtaaaa gtcaataaaa tttctaagtc 240
gtatataaga catatggtnt ttcaacgata na 272

<210> 5442
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560957H1

<400> 5442

<212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560961H1

 <400> 5445

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 gacactagga aagtcgagt cagcncnt ggatggaagc cccattggca attcttcnac 180
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<210> 5446
 <211> 291
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560963H1

 <400> 5446

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 atccaaggaa aacaagcaag acaccgcacc cgatctctcc atttcttctg aatctaagag 180
 ggggttaagt actccacacg taagcagaag aagtaggtgg tcttgatttc totggcaaca 240
 aggataagtc tactagtgtc aaaccaccaa gaaggctctc naatcctgtg a 291

<210> 5447
 <211> 277
 <212> nucleic acid
 <213> Glycine max

 <223> Clone ID: 700560967H1

 <400> 5447

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 atccactcag atctctacnn cntcctcnaa cctntttctc ngcctccggn cccacagcca 180
 cagcaancag actcntcctn ctctctcacc agcactgaaa cccaacctga gcctgtnggt 240

gacattgacg atgccacgga caatgtcacc gatgccg

277

<210> 5448

<211> 280

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560970H1

<400> 5448

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caattcagcc gttgagtgc acgaccgagg gcattcttta caccgaatct ngagtctccg 180

ttganctctc anacgttggtg aagaaccctc atcttcaaga gatcaacgaa cttttcccg 240

ntgatcccta caaccctgcn aggganacac tggaaggng 280

<210> 5449

<211> 279

<212> nucleic acid

<213> Glycine max

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gatcgactgt ggatcaagca acgaacattc caacatttga agaaattagc aactgatta 120

accctaacc tattggcaat ttaatgtaaa gaaaatcgca aaggctcgac ctttctgtta 180

tgtgggctat gctccgttg ctacgtaata tgaatactgc aaatgctggc acgtaattat 240

aatatcaaca gctggtactg ctttagtttc ataaacaaa 279

<210> 5450

<211> 285

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560973H1

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gctgtttcca atncgtttcg accaaaaccc attaacccct tttgcagnaa agcaagattg 120
 tgctctctgc aagggtcaac gagtgtgaaa agcagaaaaa gtttgggtgct ttgtgctacc 180
 aacatgacta tagcagagga tagtttgttg caggtgggtgg aggaggaaga gggtcctcct 240
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<210> 5451
 <211> 279
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560974H1
 <400> 5451

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 cgtngttata cgggtccatgc cancgtcnn ganatcaagg atgaaaatga gacgaaacat 180
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 atcgactcca ttgccgctgc nataaagggg tntccggc 279

<210> 5452
 <211> 279
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700560975H1
 <400> 5452

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 caccgccaca acaaccaccg canccattct tcttctgct ccaaaatcnt aatcttcttc 180
 tgctctctg ctttctctgg cctcgccatc atcgccaacc tcttcgcgc ctccctctcn 240
 actcantatc tctcntggc accaactggg tgncaacaag 279

<210> 5453
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 <213> Glycine max

<223> Clone ID: 700560976H1

<400> 5453

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aggagccaaa cccttctggc cactgctatt ggaggcaaan nnnnnnnnnn nnnnnnnnnn 180
nnnagtccta gaagactcat tgtggtagct gctgctgcac caaagaagtc atggctccct 240
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<210> 5454

<211> 291

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560979H1

<400> 5454

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agttcaaccc agtccaacca aacattatgc tccaaaaaga tgctagtatt tcctcctctg 180
gggtgttaca actcaccaaa gttggcagca acggcggtgcc cacctcgga tctctcggtc 240
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<210> 5455

<211> 121

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700560980H1

<400> 5455

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<211> 184

<212> nucleic acid
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<223> Clone ID: 700560981H1

<400> 5456

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tagcggttga tgtttaatga atcaccacca ttgcacatat gtgcaaattt tgtgctgagc 120
caaatgtatg tatgtacagt atcaagcctt gaaaatttac tttaaattggt agcacttctt 180
ctcc 184

<210> 5457
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<213> Glycine max

<223> Clone ID: 700560982H1

<400> 5457

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cacgccgcgg gtgttactag cgctgcgtgg tttgatcgcc tcgcgatacg gcgttgtcca 180
ggtcaacgcg gtggcgcttc tgggtcaacct ttctgctagag aagcagaaca aggtgaagat 240
tgtttaggtca gggtttggtc cgttcttgat tgatgttt 278

<210> 5458
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560985H1

<400> 5458

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<212> nucleic acid
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<223> Clone ID: 700560987H1

<400> 5459

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ttcaaccag tccaaccaa cattatgcnc caaaaagatg ctagtatttc atcctctggg 180
gtgttacaac tcaccaaagt tggcagcaac ggctgcccc cctcgggata tctcggctgt 240
gccctttacg ctgccccaat ccagatttgg gacagcgat 279

<210> 5460
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700560988H1

<400> 5460

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accctaacc tattggcaat ttaatgtaa gaaaatcgca aaggctcgac ctttctgtta 180
tgtgggctat gctccgttgg ctacgtaata tgaatactgc aaatgctggc acgtaattat 240
aatatcaaca gctgggtactg ctttagtttc ataaac 276

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<213> Glycine max

<223> Clone ID: 700560990H1

<400> 5461

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<210> 5462
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285

<210> 5465
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561001H1

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nagcagcaga accagagcca gtggttgata agcaaggga ccctttggag ccaggagtag 180
ggtactacgt gtggccactt tgggctgatg aaggaggcct cacactaggc caaacaagga 240
acaagacatg cctctttatg ttatccgtga cccttca 277

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<223> Clone ID: 700561003H1

<400> 5466

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gttcgattcg gttcgttccc tcgcacttct cactcttgca tttgtgtgta gcgtcgcgaa 180
ttcgatgcgg ttcgagcttc aatcgggtaa caccaagtgc atttcagaag acattaagac 240
caacgcgatg agtgtgggaa agtacagtgt tgtaaatcc 279

<210> 5467
<211> 278
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561004H1

<400> 5467

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 caacacttct gttttatcta caatgtacaa tgaaggccag caatacaact aaggcagtgt 180
 cacgtaatcg aaactcgccc gcctctttgt ttggcaaaat ggcacaaggt ttacgttcat 240
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<210> 5468

<211> 278

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561005H1

<400> 5468

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 cgccgacgac gaggancctc agcttcctcg acgagccctc cgccgcgcgc gagcacgacc 180
 accactacgg cgccgatgac tccaatttcg gnnactttga ggacttcgag gaggacgacg 240
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<210> 5469

<211> 277

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561006H1

<400> 5469

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 tcagtgcctg ctgcatgctc accatatttg cattgtttgc cacaaagacc gaggttccc 180
 ttttgcaat gctgaagggt tcaccggatg tttatctgag tggccccatc cgaaagtaca 240
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<210> 5470

<211> 277

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561007H1

<400> 5470

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acattgcttc aaatggcaac tctagcagta gtggaactaa catggatggg gagaaaacct 180
ttagcatttt gtttcgggga agaagaaatc gaaagcagac tctgagaatg ccaataagtt 240
tgcttactcg acctaattggc tcacagtcac ttaagggt 277
    
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<211> 275

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561008H1

<400> 5471

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accttcttgg tgttggtcga gaacaggctg ggcccatga catccttaca tgcgctgagc 180
agggttccttt caacccatct tccaaacctg cttcatcatc ttaagattat tatatttatt 240
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<210> 5472

<211> 274

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561009H1

<400> 5472

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gaggtcattc aaatacgctt ggggtgcttga caagcttaag gctgagcgtg agagaggaat 180
taccattgat attgcattat ggaagtttga gaccaccaa tactactgca ctgttattga 240
tgctccagga catcgtgatt tcatcaagaa catg 274
    
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 <213> Glycine max
 <223> Clone ID: 700561011H1
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 catgaggaag accgtcacca agcaggtctc ctcaggaagc ccatggtacg gcccagaccg 180
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 <223> Clone ID: 700561012H1
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 gctgactgga tgccaggcca gcctagacct ccttaccttg atgggttcagc acctgggtgac 240
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<210> 5475
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 <212> nucleic acid
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 <223> Clone ID: 700561013H1
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<400> 5478

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ggaccccatg atgtcagagt tagaatgaag gctgttgga tctgtgggag tgatgttcac 180
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<210> 5479

<211> 276

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561020H1

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ccacacagtt ggacatttgc cgagtttgag atagacaagg aaacccttga gaaaacacct 180
gaatccaacg aggagtacac gtgtggcaac agtgggtgat ctaaacaacg tgggtgcctta 240
ggaccttttg gtcttttggg tttggcagat gagggc 276

<210> 5480

<211> 277

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561022H1

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tgagatcac caatgtcagt gagtatgagg ctattgcaaa gcagaagttg ccaaagatgg 180
cgtttgacta ctacgcatct ggtgcagagg accagtggac tctgcaagag aacagaaatg 240
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<210> 5481

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<212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700561023H1
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<210> 5482
 <211> 275
 <212> nucleic acid
 <213> Glycine max
 <223> Clone ID: 700561024H1
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 tggtgcccgt actccggagg tgaaatgctc aagttggagg cttgctgtgg aagcacacaa 180
 catctttggc ttgagacca ttctgaaga gtgcgttgaa gcaacaaagg aatacatcca 240
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 <223> Clone ID: 700561025H1
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 aaccccatca acctcagtgg tgccacaagg ccagctccat ctgcctctag cctgcctcc 180
 ttcaagactg tggctctttt ctccaaaag aaggctgcac ctccaaaaa agctgcagct 240
 gctgctcctg ccaatgatga gcttgccaag tgg 273

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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561026H1

<400> 5484

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tcgtcgctga tctctgtttc ctccgttact gtttctgatt gcagaggcga aaagggttttc 180
cgcatacaaaa tcgaatnttg tttgctccat catcaccatg ggtagaatca cgaaactggg 240
ttttcttctt ctaccagat aagtaaaagg gt 272

<210> 5485
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<223> Clone ID: 700561027H1

<400> 5485

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atgaacactg gctatggtgc ccgtactccg gaggtgaaat gcgcaagttg gag 173

<210> 5486
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561028H1

<400> 5486

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cagttcccag ttcagccttc tttggcacca gcttgaagaa gggtattgcc tcaagggtcc 180
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aganacaaca gacagacaag gacagatggn ang 273

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 <213> Glycine max

 <223> Clone ID: 700561029H1

 <400> 5487

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 <223> Clone ID: 700561032H1

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 <223> Clone ID: 700561035H1

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<223> Clone ID: 700561039H1

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<211> 274

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561040H1

<400> 5491

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<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561041H1

<400> 5492

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tggacaaggc caaggtggct gacgctgccg gcgatcttct cgacgcggcg gggaagtatg 180

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ataattacca g 251

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<211> 86

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561042H1

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<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561043H1

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ggcctttcag ggggtgaatc gatttctggt gacgttaagg acatgaaact agtcttattg 180

ggtgagattg atccagtga gtcagtgtca aagctacgaa agtgggtgtca cactgaacta 240

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<213> Glycine max

<223> Clone ID: 700561045H1

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gacatgtcaa taatatcaca tgacaacgct catgcggata gggccacgag gcgcac 176

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<213> Glycine max

<223> Clone ID: 700561046H1

<400> 5496

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 tggcgactcc cactctttgc aacctcaatg ggtctcagag acgaccaacc accaccactc 180
 tctctccgct tcgcttcatg ggttttcgtc ctcgacnctc ctctcactct ctcacctcct 240
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 <223> Clone ID: 700561050H1
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 cacggagttg gtgattccca accacttcag gtgtccaatt tcccttgact tgatgaagga 240
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 <212> nucleic acid
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 <223> Clone ID: 700561054H1

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<212> nucleic acid
<213> Glycine max
<223> Clone ID: 700561055H1

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<212> nucleic acid
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<223> Clone ID: 700561056H1

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<223> Clone ID: 700561057H1

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<211> 245

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<213> Glycine max

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gccggagaag caaaggttgc tccggcgggg tttttcgaga agtatccggc tcttggtgac 180

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gatta 245

<210> 5504

<211> 163

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561060H1

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aattgacatt cattgtgatt actataattt gtttaaaccg tgtcatttct tttatatntt 120

gaaattttgt taactttggt gttgaaattt tattctaataa aat 163

<210> 5505

<211> 281

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561063H1

<400> 5505

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ttttatttna ttttatttat ttaagccttt taaatgcca acattttgtt cttgatgttt 180
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<223> Clone ID: 700561064H1

<400> 5506

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ttagtgccta ccttgaccag aagttannat ggt 93

<210> 5507
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<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561065H1

<400> 5507

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ccacgngnt ananacctga cacc 84

<210> 5508
<211> 276
<212> nucleic acid
<213> Glycine max

<223> Clone ID: 700561067H1

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cccagaagtg ggaaggggtga gcatgaggaa gaccgtcacc aagcaggtct cctcaggaag 180

cccatggtac ggcccagacc gagtcaagta cttgggcccc ttctctggcg agcccccgtc 240
ctacctaacc ggtgagttcc caggcgacta cggtcg 276

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<223> Clone ID: 700561068H1

<400> 5509

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cctcagtggc gccacaaggc cagctccatc tgcccttagc cctgctcct tcaagactgt 180
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caatgatgag cttgccaagt ggtatgggtcc tgac 274

<210> 5510
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<212> nucleic acid
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<223> Clone ID: 700561070H1

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tggacctcca acctttgagc agcccaagat gactctggag aagctcttgc tgtatggtaa 180
catgcttgtc caagaacaag agaatgtcaa gagagtccaa ttggctgaca agtacttgaa 240
cgaggctgct cttggaaatg ctaacgagga tgct 274

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<212> nucleic acid
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<223> Clone ID: 700561072H1

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cgagatcnag ctggccgagg ttgagatgcc cggcctcatg gcctgtcgga cc 172

<210> 5512
<211> 271
<212> nucleic acid
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<223> Clone ID: 700561073H1
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gcactactgg gttgaaaatg tatatgctgg agagcaaagg aggtgccata gcatgcatgt 180
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<210> 5513
<211> 270
<212> nucleic acid
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<223> Clone ID: 700561075H1
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ctctgggtcc agctgttaga gatgggtgaac acgttttttg cgttgctcgc atctttgcct 180
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<210> 5514
<211> 270
<212> nucleic acid
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<223> Clone ID: 700561076H1

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 atcttcttat ggcctttcgt ctacccatcg aaataggtat aagaacgatt tccgcgactc 180
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<210> 5515
 <211> 84
 <212> nucleic acid
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 <223> Clone ID: 700561081H1

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<210> 5516
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 <223> Clone ID: 700561084H1

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<210> 5517
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 <223> Clone ID: 700561085H1

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<223> Clone ID: 700561087H1

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<210> 5519
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<223> Clone ID: 700561089H1

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 aaatagaaaa aatggcccca tcatttatca aaggccaatc ttcggtagaa gagaaggttc 180
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<210> 5520
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 <212> nucleic acid
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<223> Clone ID: 700561090H1

<400> 5520

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gcaatcaagg agggatatct taacaatgcc aatggtgtgt tgcatatgtc tgcaatgtgg 180
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<210> 5521

<211> 285

<212> nucleic acid

<213> Glycine max

<223> Clone ID: 700561096H1

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cagccccaga agtgggaagg gtgagcatga ggaagaccgt caccaagcag gtctcctcag 180
gaagcccatg gtacggccca gaccgagtc agtacttggg cccattctct ggcgagcccc 240
cgtcctacct aaccggtgag ttcccaggcg actacggctg ggaca 285